

Fig. 1

Fig. 2

Quantization step	1	2	3	4	5	6	7	8	10	12	14	16	18	20	22	24
Basic quantization step	1	2	3	4	5	6	7	8	5	6	7	16	18	20	22	24
Multiplier factor	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1

Quantization step	28	32	36	40	44	48	52	56	64	72	80	88	96	104	112
Basic quantization step	28	16	18	20	22	24	52	28	16	18	20	22	24	52	28
Multiplier factor	1	2	2	2	2	2	1	2	4	4	4	4	4	2	4

Fig. 3

Basic quantization step	1	2	3	4	5	6	7	8	16	18	20	22	24	28	52
Quantization number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Fig. 4

Multiplier factor	1	2	4
Multiplier factor information	0	1	2

Fig. 5

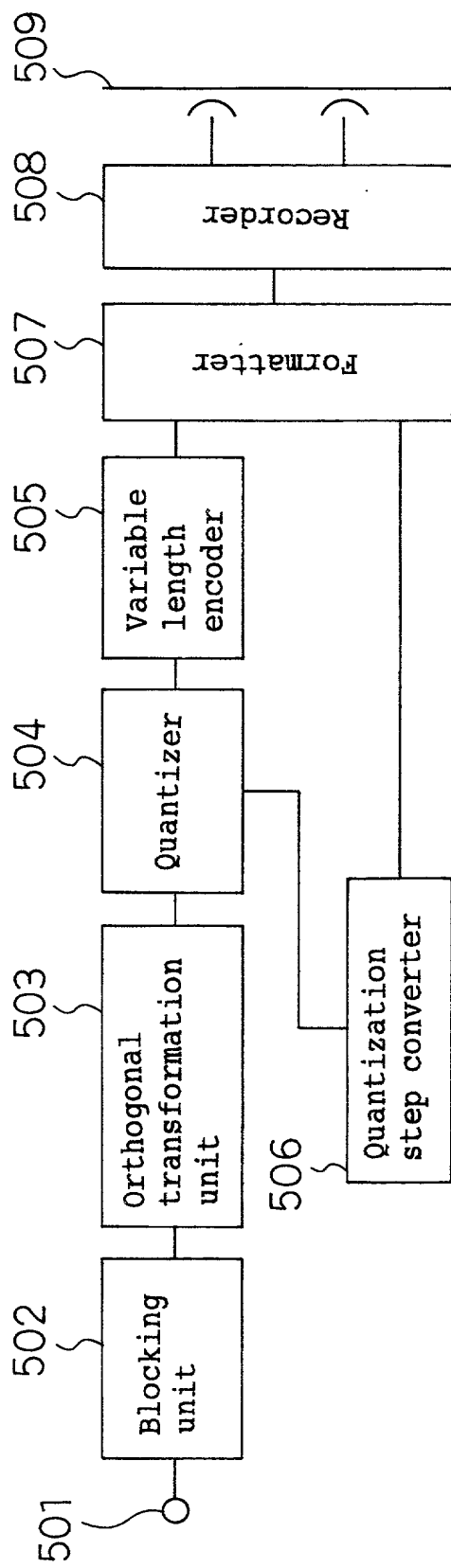


Fig. 6

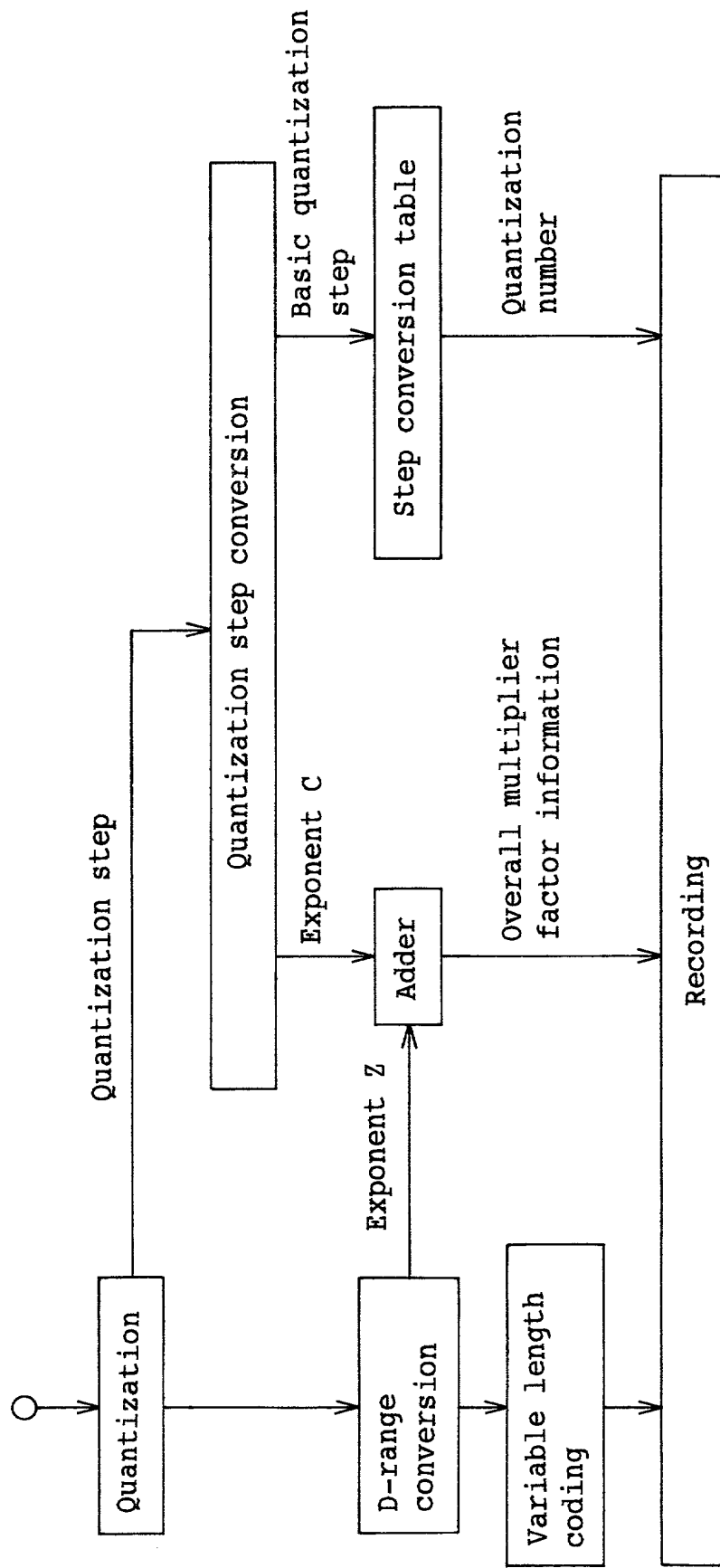


Fig. 7 (a)

Input signal (12 bits) : s b11 b10 b9 b8 b7 b6 b5 b4 b3 b2 b1

Fig. 7 (b)

D-range	Output signal (9 bits)	Multiplier factor
0 ~ 255	s b8 b7 b6 b5 b4 b3 b2 b1	2^0
256 ~ 511	s b9 b8 b7 b6 b5 b4 b3 b2	2^1
512 ~ 1023	s b10 b9 b8 b7 b6 b5 b4 b3	2^2
1024 ~ 2047	s b11 b10 b9 b8 b7 b6 b5 b4	2^3

Fig. 8

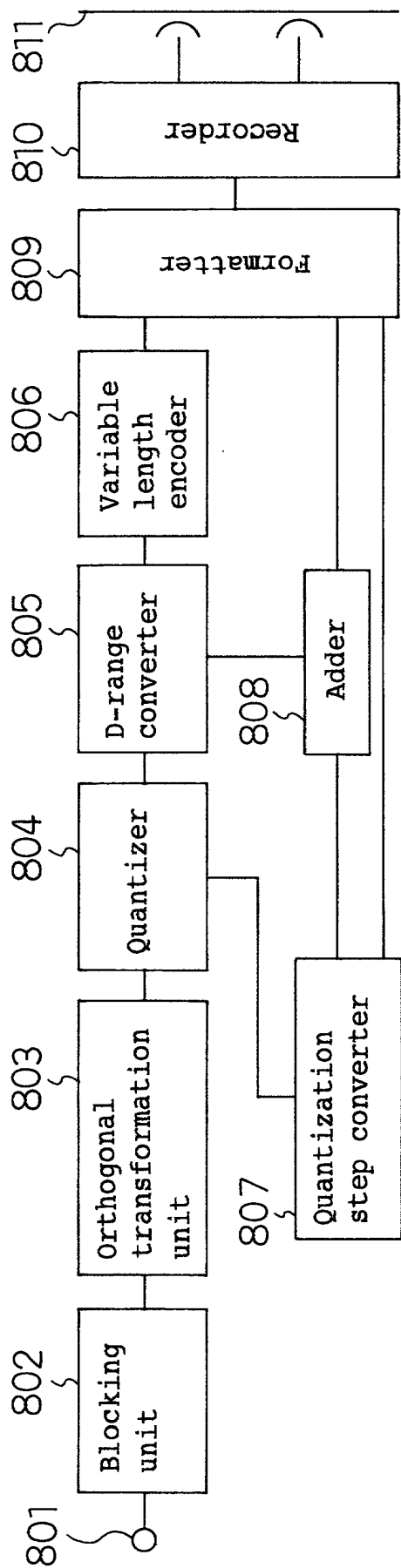


Fig. 9

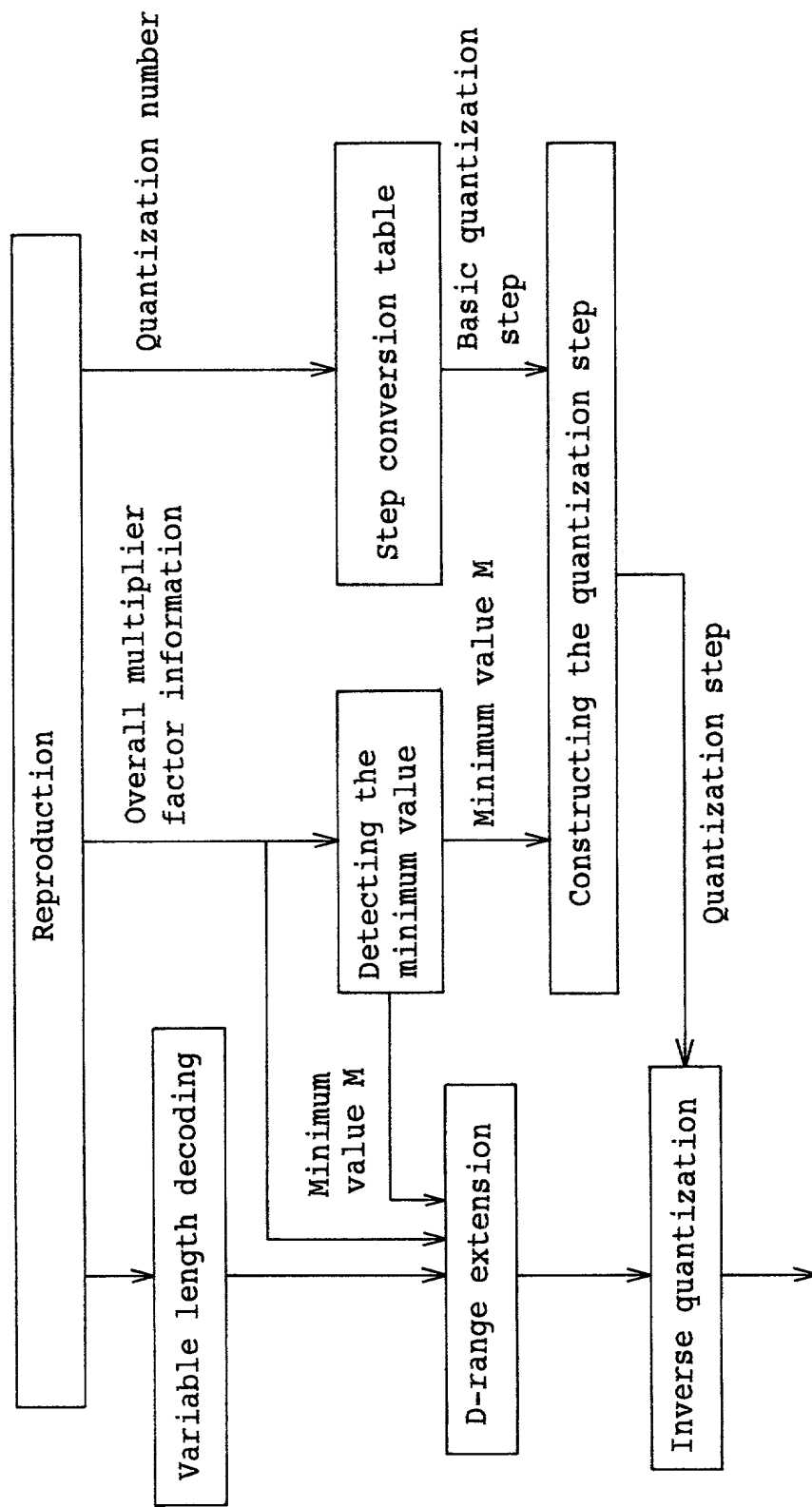


Fig. 10

